SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0			
45			
90	*** See	EXHIBIT E-5 ***	
135			
180			
225			
270			
315			

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

SECTION VI – EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees? ☐ Yes ☒ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII – CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3580? ☒ Yes ☐ No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose? ☒ Yes ☐ No

If No, attach as an Exhibit, a full explantion. Exhibit No. n/a

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted: Mr. James L. Kuhn (VIACOM CABLE)

Telephone No. *(include area code)*: (707) 763-9626

Person contacted: *(check one box below)*

☐ Owner ☐ Owner's Agent ☒ Other *(specify)* System Manager, Sonoma County

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. *(See Section 304 of the Communications Act of 1934, as amended.)*

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

SECTION VII – CERTIFICATION (Page 5)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Signature
ERIC R. HILDING	
Date	Title
November 14, 1991	Applicant

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

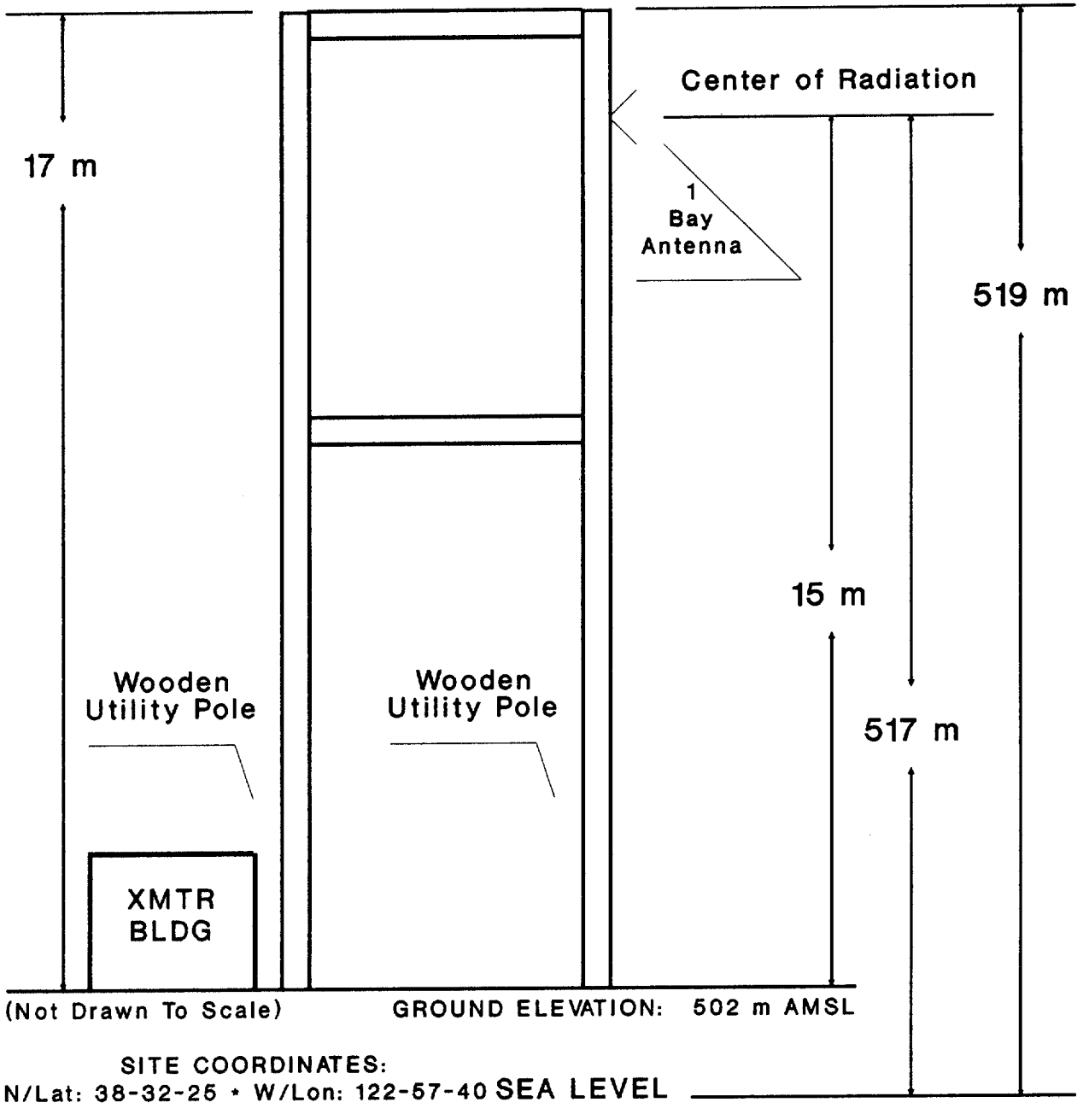
The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 71 hours 45 minutes to 301 hours 30 minutes with an average of 118 hours 28 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

EXHIBIT E-1

ANTENNA VERTICAL PLAN SKETCH



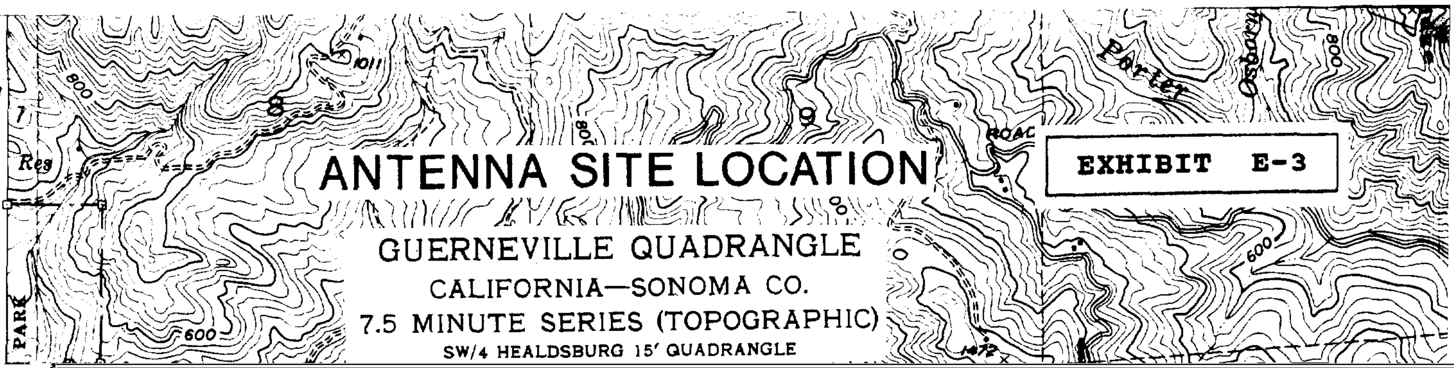
ERIC R. HILDING

FM Channel 281A • Windsor, CA

EXHIBIT E-2

NON-INTERFERENCE STATEMENT

No adverse effects or interference to any other communications facilities are anaticipated as a result of the proposed service as set forth herein. Should any unforeseen effects occur, applicants shall promptly take necessary coorective measures to resolve any such interference, and assumes full responsibility for the elimination of any objectionable intereference to any authorized facilities in use prior to grant of this application for Construction Permit.


ANTENNA SITE LOCATION
EXHIBIT E-3
GUERNEVILLE QUADRANGLE
CALIFORNIA—SONOMA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 HEALDSBURG 15′ QUADRANGLE
4267
Res
PARK
600
800
1011
Porter
ROAD

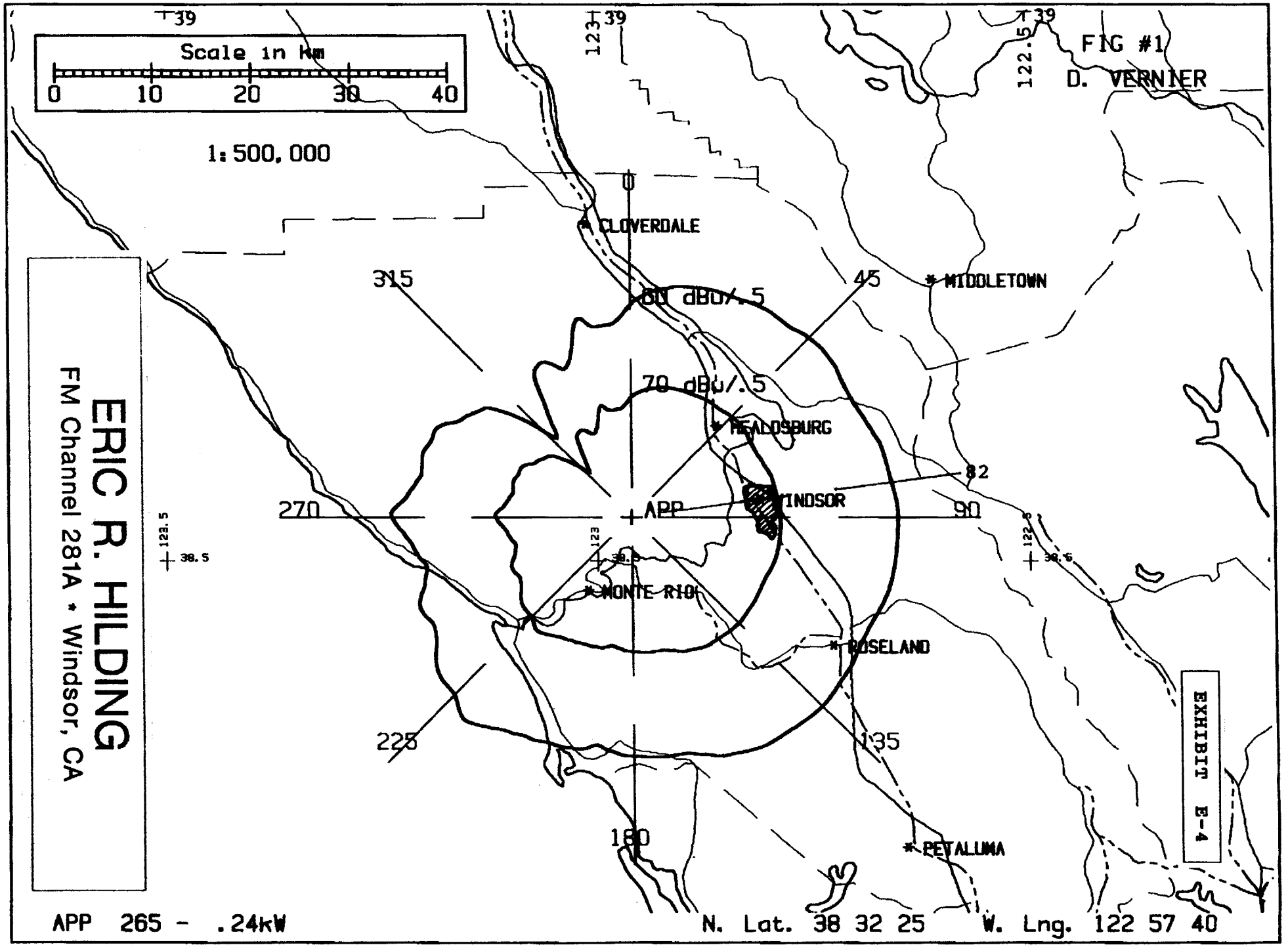

Scale in Km
0 10 20 30 40
1:500,000
FIG #1
D. VERNIER
ERIC R. HILDING
FM Channel 281A * Windsor, CA
CLOVERDALE
MIDDLETOWN
HEALDSBURG
WINDSOR
APP
MONTE RIO
ROSELAND
PETALUMA
60 dBu/.5
70 dBu/.5
0
45
90
135
180
225
270
315
82
EXHIBIT E-4
APP 265 - .24kW
N. Lat. 38 32 25
W. Lng. 122 57 40

EXHIBIT E-5

TERRAIN AND CONTOUR DATA
CH. 265A
Eric R. Hilding
Windsor, California

ERP = .24 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
0	241.8	275.2	-6.198	21.4	12.0
45	115.7	401.3	-6.198	25.6	14.4
90	72.4	444.6	-6.198	26.9	15.1
135	67.0	450.0	-6.198	27.1	15.2
180	164.0	353.0	-6.198	24.1	13.6
225	121.9	395.1	-6.198	25.4	14.3
270	161.3	355.7	-6.198	24.2	13.7
315	426.6	90.4	-6.198	12.1	6.9
Ave. =	171.3 M	345.7 M			
Other Azimuths:					
82	85.4	431.6	-6.198	26.5	14.9

Antenna Radiation Center AMSL = 517.0 M

Geographic Coordinates:

North latitude: 38 32 25

EXHIBIT E-6

Exhibit # E-6
R.F. Hazard Study

Eric R. Hilding
Windsor, California

November 1991

Using the formulas expressed in the OST Bulletin, No. 65, Oct. 1985, "Evaluating Compliance with F.C.C. Specified Guidelines for Human Exposure to Radio Frequency Radiation", published by the Federal Communication Commission's Office of Science and Technology, a study of the non-ionizing radiation level present at the base of the tower was made. The proposed single-bay antenna will be energized such that it produces .24 kW effective radiated power, circularly polarized, from a center of radiation of 15 meters above ground.

Using an RCA type 4 (Shively 6810) antenna (See EPA study PB85-245868) and applying the formulas in the OST bulletin, while using both the array and element patterns, it can be determined that the maximum, non-ionizing R.F., radiation density at head level (2 Meters A.G.) below the antenna, at the base of the supporting structure, is no more than 6.17 milliwatts per square centimeter which is .617 percent of the maximum.

A second FM station (KMGG, Monte Rio, CA) operates within 15 feet of the proposed facility. This station is currently licensed as a class A facility operating with an E.R.P. of .25 kW. Using a two-bay antenna with its center 11 meters above ground (presuming use of the Jampro double V), KMGG produces a field density of 14.44 microwatt per square centimeter at head level in a direction toward the base of the supporting structure.

Together, both facilities produce some 20.61 microwatts per square centimeter which is .206 percent of the maximum A.N.S.I. standard of 1000 microwatts per square centimeter for the frequencies in use.

At the time of this filing it was known that the Commission had allocated a class B1 facility on the KMGG channel. Further, the Commission's records do not yet show an application for such facilities. However, by applying the methods described above, and using a class B1 equivalent power for the antenna height in use of 2 kW, it can be shown that KMGG would produce a maximum R.F. field density of 115.5 microwatts per square centimeter at 2 meters above ground (head level.) Therefore, even at the higher operating power, the proposed facility and the upgraded KMGG facility will meet the Commission's R.F. hazard standards.

The proposed antenna will be mounted on a telephone pole type structure which makes climbing by trespassers extremely difficult. If the applicant decides to leave climbing steps on the proposed structure, a fence will be placed around the structure to prohibit access by trespassers. In regard to protecting workers at the tower site, the applicant will not allow workers to climb the antenna structure without first removing the transmitter from operating mode. Signs will be posted to this effect. There are no other sources of AM, FM or TV radiation in the immediate area, consequently the proposed FM station will be in compliance with the Commission's rules regarding exposure to workers or the general public to levels of radio frequency radiation in excess of the American National Standard Safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 KHz to 100 GHz. (ANSI 95.1-1982)

1998 NMCC CLASS B1 RFWAZRD

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]